

CLAIMS

1. Thermal fuse mechanism for a heating device, with a support and a heating element, said heating element being provided with two contacts and an electrically conductive connection bridge connecting said heating device to a power supply, said connection bridge being mechanically fastened in electrically conductive manner to both said contacts by fastening means and said mechanical fastening of said fastening means is released above a certain melting temperature, said thermal fuse mechanism being positioned on said heating device in such a way that said fastening means are in heat conducting connection with said heating device, wherein said connection bridge by said mechanical fastening to said contacts by means of said fastening means is secured against moving away due to gravity.
2. Fuse mechanism according to claim 1, wherein said fastening means for fastening said connection bridge to said contacts are formed by solder.
3. Fuse mechanism according to claim 2, wherein as a result of a material composition of said solder its softening point is adjustable in such a way that with a predetermined association of said fastening with said heating device, a softening occurs at a given heating device temperature.
4. Fuse mechanism according to claim 2, wherein said connection bridge is partly metal, wherein said metal is insulated to the outside between said connections to said contacts.
5. Fuse mechanism according to claim 1, wherein said connection bridge is constructed in such a way that on releasing said fastening at said contacts, there is a tilting moment with respect to at least one of said contacts.

6. Fuse mechanism according to claim 5, wherein said tilting moment occurs with respect to both said contacts.
7. Fuse mechanism according to claim 5, wherein said connection bridge has a centre of gravity, which is located outside a connection line between said two contacts.
8. Fuse mechanism according to claim 7, wherein the centre of gravity of said connection bridge is in a horizontal direction outside and laterally alongside said connection line between said two contacts.
9. Fuse mechanism according to claim 1, wherein said connection bridge is U-shaped.
10. Heating device having a support and a heating element, as well as a thermal fuse mechanism according to claim 1, wherein said fuse mechanism in the case of correct heating device use is positioned on said heating device in such a way that said fastening means are in heat conducting connection with said heating device.
11. Heating device according to claim 10, wherein said fastening means are in heat conducting connection with said heating element.
12. Heating device according to claim 10, wherein said fuse mechanism is fastened to said support.
13. Heating device according to claim 10, wherein, considered in the gravity force direction, said fuse mechanism is located below said heating device.
14. Heating device according to claim 10, wherein, considered in the gravity force direction, said connection bridge is located below said heating element.
15. Heating device according to claim 10, wherein, considered in the gravity force direction, said connection bridge is positioned below said contacts.

16. Heating device according to claim 15, wherein said contacts are flat and run substantially in a horizontal plane.
17. Heating device according to claim 16, wherein said connection bridge runs substantially in a horizontal plane.
18. Heating element according to claim 10, wherein said heating element is placed on a flat support and has contacts on the side which, relative to the subsequent installation, constitutes the bottom.
19. Heating element according to claim 18, wherein said heating element is located on said bottom.
20. Heating device according to claim 10, wherein said heating element is insulated, said heating element and connection bridge crossing one another with an interposed insulation.
21. Heating device according to claim 20, wherein said insulation is flat and is applied in fixed form to said heating element.
22. Heating device according to claim 10, wherein said connections to said contacts are in the form of a resistor and in normal operation said resistor brings about a preheating of said fastening to said contacts.
23. Heating device according to claim 10, wherein said connection bridge is constructed as a resistor and has a specific temperature coefficient of said resistor as a function of the temperature.